

SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.

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HILLMAN, Jennifer L.
YUE, Henry
LAL, Preeti
BANDMAN, Olga
CORLEY, Neil C.
GUEGLER, Karl J.
BAUGHN, Mariah R.
LU, Dyung Aina M.
AZIMZAI, Yalda
YANG, Junming

<120> HUMAN HYDROLASE PROTEINS

<130> PF-0634 PCT

<140> To Be Assigned

<141> Herewith

<150> 09/190,937; unassigned; 60/135,519

<151> 1998-11-12; 1998-11-12; 1999-05-21

<160> 35

<170> PERL Program

<210> 1

<211> 159

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2293764CD1

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Val	Val	Thr	Val	Asp	Ala	Lys	Ile	Tyr	Glu	Leu	Cys	Glu	Leu	Ala
				20					25					30
Ala	Arg	Leu	Glu	Arg	Ala	Gly	Leu	Asn	Gly	Tyr	Lys	Gly	Tyr	Gly
				35					40					45
Val	Gly	Asp	Trp	Leu	Cys	Met	Ala	His	Tyr	Glu	Ser	Gly	Phe	Asp
				50					55					60
Thr	Ala	Phe	Val	Asp	His	Asn	Pro	Asp	Gly	Ser	Ser	Glu	Tyr	Gly
				65					70					75
Ile	Phe	Gln	Leu	Asn	Ser	Ala	Trp	Trp	Cys	Asp	Asn	Gly	Ile	Thr
				80					85					90
Pro	Thr	Lys	Asn	Leu	Cys	His	Met	Asp	Cys	His	Asp	Leu	Leu	Asn
				95					100					105
Arg	His	Ile	Leu	Asp	Asp	Ile	Arg	Cys	Ala	Lys	Gln	Ile	Val	Ser

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	110		115		120
Ser Gln Asn Gly	Leu Ser Ala Trp Thr	Ser Trp Arg Leu His Cys			
	125		130		135
Ser Gly His Asp	Leu Ser Glu Trp Leu Lys Gly Cys Asp Met His				
	140		145		150
Val Lys Ile Asp	Pro Lys Ile His Pro				
	155				

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<213> Homo sapiens

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<223> Incyte ID No: 949738CD1

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Ile Arg Gly Val Pro Glu Ser Leu Ala Ser Gly Glu Gly Ala Gly		
	20 25	30
Ala Gly Leu Pro Ala Leu Asp Leu Ala Lys Ala Gln Arg Glu His		
	35 40	45
Gly Val Leu Gly Gly Lys Leu Arg Gln Arg Leu Gly Leu Gln Leu		
	50 55	60
Leu Glu Leu Pro Pro Glu Glu Ser Leu Pro Leu Gly Pro Leu Leu		
	65 70	75
Gly Asp Thr Ala Val Ile Gln Gly Asp Thr Ala Leu Ile Thr Arg		
	80 85	90
Pro Trp Ser Pro Ala Arg Arg Pro Glu Val Asp Gly Val Arg Lys		
	95 100	105
Ala Leu Gln Asp Leu Gly Leu Arg Ile Val Glu Ile Gly Asp Glu		
	110 115	120
Asn Ala Thr Leu Asp Gly Thr Asp Val Leu Phe Thr Gly Arg Glu		
	125 130	135
Phe Phe Val Gly Leu Ser Lys Trp Thr Asn His Arg Gly Ala Glu		
	140 145	150
Ile Val Ala Asp Thr Phe Arg Asp Phe Ala Val Ser Thr Val Pro		
	155 160	165
Val Ser Gly Pro Ser His Leu Arg Gly Leu Cys Gly Met Gly Gly		
	170 175	180
Pro Arg Thr Val Val Ala Gly Ser Ser Asp Ala Ala Gln Lys Ala		
	185 190	195
Val Arg Ala Met Ala Val Leu Thr Asp His Pro Tyr Ala Ser Leu		
	200 205	210
Thr Leu Pro Asp Asp Ala Ala Ala Asp Cys Leu Phe Leu Arg Pro		
	215 220	225
Gly Leu Pro Gly Val Pro Pro Phe Leu Leu His Arg Gly Gly Gly		
	230 235	240
Asp Leu Pro Asn Ser Gln Glu Ala Leu Gln Lys Leu Ser Asp Val		
	245 250	255
Thr Leu Val Pro Val Ser Cys Ser Glu Leu Glu Lys Ala Gly Ala		
	260 265	270

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Gly Leu Ser Ser Leu Cys Leu Val Leu Ser Thr Arg Pro His Ser
 275 280 285

<210> 3

<211> 331

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<213> Homo sapiens

<220>

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<223> Incyte ID No: 1297034CD1

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 Phe Leu Leu Leu Val Leu Leu Leu Val Thr Arg Ser Pro Val Asn
 20 25 30
 Ala Cys Leu Leu Thr Gly Ser Leu Phe Val Leu Leu Arg Val Phe
 35 40 45
 Ser Phe Glu Pro Val Pro Ser Cys Arg Ala Leu Gln Val Leu Lys
 50 55 60
 Pro Arg Asp Arg Ile Ser Ala Ile Ala His Arg Gly Gly Ser His
 65 70 75
 Asp Ala Pro Glu Asn Thr Leu Ala Ala Ile Arg Gln Ala Ala Lys
 80 85 90
 Asn Gly Ala Thr Gly Val Glu Leu Asp Ile Glu Phe Thr Ser Asp
 95 100 105
 Gly Ile Pro Val Leu Met His Asp Asn Thr Val Asp Arg Thr Thr
 110 115 120
 Asp Gly Thr Gly Arg Leu Cys Asp Leu Thr Phe Glu Gln Ile Arg
 125 130 135
 Lys Leu Asn Pro Ala Ala Asn His Arg Leu Arg Asn Asp Phe Pro
 140 145 150
 Asp Glu Lys Ile Pro Thr Leu Arg Glu Ala Val Ala Glu Cys Leu
 155 160 165
 Asn His Asn Leu Thr Ile Phe Phe Asp Val Lys Gly His Ala His
 170 175 180
 Lys Ala Thr Glu Ala Leu Lys Lys Met Tyr Met Glu Phe Pro Gln
 185 190 195
 Leu Tyr Asn Asn Ser Val Val Cys Ser Phe Leu Pro Glu Val Ile
 200 205 210
 Tyr Lys Met Arg Gln Thr Asp Arg Asp Val Ile Thr Ala Leu Thr
 215 220 225
 His Arg Pro Trp Ser Leu Ser His Thr Gly Asp Gly Lys Pro Arg
 230 235 240
 Tyr Asp Thr Phe Trp Lys His Phe Ile Phe Val Met Met Asp Ile
 245 250 255
 Leu Leu Asp Trp Ser Met His Asn Ile Leu Trp Tyr Leu Cys Gly
 260 265 270
 Ile Ser Ala Phe Leu Met Gln Lys Asp Phe Val Ser Pro Ala Tyr
 275 280 285
 Leu Lys Lys Trp Ser Ala Lys Gly Ile Gln Val Val Gly Trp Thr
 290 295 300
 Val Asn Thr Phe Asp Glu Lys Ser Tyr Tyr Glu Ser His Leu Gly

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	305		310		315
Ser Ser Tyr Ile Thr Asp Ser Met Val Glu Asp Cys Glu Pro His					
	320		325		330
Phe					

<210> 4
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<220>
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 <223> Incyte ID No: 1553276CD1

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 1 5 10 15
 Val Leu Pro Leu Trp Ser Ala Leu Pro Gln Tyr Lys Lys Lys Ile
 20 25 30
 Thr Asp Arg Cys Phe His His Ser Glu Cys Tyr Ser Gly Cys Cys
 35 40 45
 Leu Met Asp Leu Asp Ser Gly Gly Ala Phe Cys Ala Pro Arg Ala
 50 55 60
 Arg Ile Thr Met Ile Cys Leu Pro Gln Trp Leu Glu Leu Phe Lys
 65 70 75
 Gly Arg Asp Cys Ile Ile Phe Ile Tyr Glu Ala Pro Thr Pro Ser
 80 85 90
 Leu Val Ser Ala His Asn Gln Gly Ser Tyr Gln His His Leu Pro
 95 100 105
 Leu Pro Asp Gly Leu Asp Val His Ile Gln Gly Leu Asp Val Phe
 110 115 120
 Pro Pro Val Pro Tyr Asp Leu Glu Glu Asp Ala Gly Trp Ser Leu
 125 130 135
 Leu Pro Trp Gly His Arg Pro Trp Leu Pro Pro Thr Cys Ser Lys
 140 145 150
 Ser Ser Ser

<210> 5
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 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1702211CD1

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 Met Glu Arg Ala Val Arg Val Glu Ser Gly Val Leu Val Gly Val
 1 5 10 15
 Val Cys Leu Leu Leu Ala Cys Pro Ala Thr Ala Thr Gly Pro Glu
 20 25 30
 Val Ala Gln Pro Glu Val Asp Thr Thr Leu Gly Arg Val Arg Gly
 35 40 45

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Arg	Gln	Val	Gly	Val	Lys	Gly	Thr	Asp	Arg	Leu	Val	Asn	Val	Phe	50	55	60
Leu	Gly	Ile	Pro	Phe	Ala	Gln	Pro	Pro	Leu	Gly	Pro	Asp	Arg	Phe	65	70	75
Ser	Ala	Pro	His	Pro	Ala	Gln	Pro	Trp	Glu	Gly	Val	Arg	Asp	Ala	80	85	90
Ser	Thr	Ala	Pro	Pro	Met	Cys	Leu	Gln	Asp	Val	Glu	Ser	Met	Asn	95	100	105
Ser	Ser	Arg	Phe	Val	Leu	Asn	Gly	Lys	Gln	Gln	Ile	Phe	Ser	Val	110	115	120
Ser	Glu	Asp	Cys	Leu	Val	Leu	Asn	Val	Tyr	Ser	Pro	Ala	Glu	Val	125	130	135
Pro	Ala	Gly	Ser	Gly	Arg	Pro	Val	Met	Val	Trp	Val	His	Gly	Gly	140	145	150
Ala	Leu	Ile	Thr	Gly	Ala	Ala	Thr	Ser	Tyr	Asp	Gly	Ser	Ala	Leu	155	160	165
Ala	Ala	Tyr	Gly	Asp	Val	Val	Val	Val	Thr	Val	Gln	Tyr	Arg	Leu	170	175	180
Gly	Val	Leu	Gly	Phe	Phe	Ser	Thr	Gly	Asp	Glu	His	Ala	Pro	Gly	185	190	195
Asn	Gln	Gly	Phe	Leu	Asp	Val	Val	Ala	Ala	Leu	Arg	Trp	Val	Gln	200	205	210
Glu	Asn	Ile	Ala	Pro	Phe	Gly	Gly	Asp	Leu	Asn	Cys	Val	Thr	Val	215	220	225
Phe	Gly	Gly	Ser	Ala	Gly	Gly	Ser	Ile	Ile	Ser	Gly	Leu	Val	Leu	230	235	240
Ser	Pro	Val	Ala	Ala	Gly	Leu	Phe	His	Arg	Ala	Ile	Thr	Gln	Ser	245	250	255
Gly	Val	Ile	Thr	Thr	Pro	Gly	Ile	Ile	Asp	Ser	His	Pro	Trp	Pro	260	265	270
Leu	Ala	Gln	Lys	Ile	Ala	Asn	Thr	Leu	Ala	Cys	Ser	Ser	Ser	Ser	275	280	285
Pro	Ala	Glu	Met	Val	Gln	Cys	Leu	Gln	Gln	Lys	Glu	Gly	Glu	Glu	290	295	300
Leu	Val	Leu	Ser	Lys	Lys	Leu	Lys	Asn	Thr	Ile	Tyr	Pro	Leu	Thr	305	310	315
Val	Asp	Gly	Thr	Val	Phe	Pro	Lys	Ser	Pro	Lys	Glu	Leu	Leu	Lys	320	325	330
Glu	Lys	Pro	Phe	His	Ser	Val	Pro	Phe	Leu	Met	Gly	Val	Asn	Asn	335	340	345
His	Glu	Phe	Ser	Trp	Leu	Ile	Pro	Arg	Gly	Trp	Gly	Leu	Leu	Asp	350	355	360
Thr	Met	Glu	Gln	Met	Ser	Arg	Glu	Asp	Met	Leu	Ala	Ile	Ser	Thr	365	370	375
Pro	Val	Leu	Thr	Ser	Leu	Asp	Val	Pro	Pro	Glu	Met	Met	Pro	Thr	380	385	390
Val	Ile	Asp	Glu	Tyr	Leu	Gly	Ser	Asn	Ser	Asp	Ala	Gln	Ala	Lys	395	400	405
Cys	Gln	Ala	Phe	Gln	Glu	Phe	Met	Gly	Asp	Val	Phe	Ile	Asn	Val	410	415	420
Pro	Thr	Val	Ser	Phe	Ser	Arg	Tyr	Leu	Arg	Asp	Ser	Gly	Ser	Pro	425	430	435
Val	Phe	Phe	Tyr	Glu	Phe	Gln	His	Arg	Pro	Ser	Ser	Phe	Ala	Lys	440	445	450
Ile	Lys	Pro	Ala	Trp	Val	Lys	Ala	Asp	His	Gly	Ala	Glu	Gly	Ala			

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	455		460		465
Phe Val Phe Gly Gly Pro Phe Leu Met	Asp Glu Ser Ser Arg Leu				
	470		475		480
Ala Phe Pro Glu Ala Thr Glu Glu Glu	Lys Gln Leu Ser Leu Thr				
	485		490		495
Met Met Ala Gln Trp Thr His Phe Ala	Arg Thr Gly Asp Pro Asn				
	500		505		510
Ser Lys Ala Leu Pro Pro Trp Pro Gln	Phe Asn Gln Ala Glu Gln				
	515		520		525
Tyr Leu Glu Ile Asn Pro Val Pro Arg	Ala Gly Gln Lys Phe Arg				
	530		535		540
Glu Ala Trp Met Gln Phe Trp Ser Glu	Thr Leu Pro Ser Lys Ile				
	545		550		555
Gln Gln Trp His Gln Lys Gln Lys Asn	Arg Lys Ala Gln Glu Asp				
	560		565		570
Leu					

<210> 6

<211> 347

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1859618CD1

<400> 6

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Gln Pro His Val Ser Arg Thr Leu Phe Leu Leu Leu Leu Ala		
	20	25
Ala Ser Ala Trp Gly Val Thr Leu Ser Pro Lys Asp Cys Gln Val		
	35	40
Phe Arg Ser Asp His Gly Ser Ser Ile Ser Cys Gln Pro Pro Ala		
	50	55
Glu Ile Pro Gly Tyr Leu Pro Ala Asp Thr Val His Leu Ala Val		
	65	70
Glu Phe Phe Asn Leu Thr His Leu Pro Ala Asn Leu Leu Gln Gly		
	80	85
Ala Ser Lys Leu Gln Glu Leu His Leu Ser Ser Asn Gly Leu Glu		
	95	100
Ser Leu Ser Pro Glu Phe Leu Arg Pro Val Pro Gln Leu Arg Val		
	110	115
Leu Asp Leu Thr Arg Asn Ala Leu Thr Gly Leu Pro Pro Gly Leu		
	125	130
Phe Gln Ala Ser Ala Thr Leu Asp Thr Leu Val Leu Lys Glu Asn		
	140	145
Gln Leu Glu Val Leu Glu Val Ser Trp Leu His Gly Leu Lys Ala		
	155	160
Leu Gly His Leu Asp Leu Ser Gly Asn Arg Leu Arg Lys Leu Pro		
	170	175
Pro Gly Leu Leu Ala Asn Phe Thr Leu Leu Arg Thr Leu Asp Leu		
	185	190
Gly Glu Asn Gln Leu Glu Thr Leu Pro Pro Asp Leu Leu Arg Gly		

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200	205	210
Pro Leu Gln Leu Glu Arg Leu His Leu Glu Gly Asn Lys Leu Gln		
215	220	225
Val Leu Gly Lys Asp Leu Leu Leu Pro Gln Pro Asp Leu Arg Tyr		
230	235	240
Leu Phe Leu Asn Gly Asn Lys Leu Ala Arg Val Ala Ala Gly Ala		
245	250	255
Phe Gln Gly Leu Arg Gln Leu Asp Met Leu Asp Leu Ser Asn Asn		
260	265	270
Ser Leu Ala Ser Val Pro Glu Gly Leu Trp Ala Ser Leu Gly Gln		
275	280	285
Pro Asn Trp Asp Met Arg Asp Gly Phe Asp Ile Ser Gly Asn Pro		
290	295	300
Trp Ile Cys Asp Gln Asn Leu Ser Asp Leu Tyr Arg Trp Leu Gln		
305	310	315
Ala Gln Lys Asp Lys Met Phe Ser Gln Asn Asp Thr Arg Cys Ala		
320	325	330
Gly Pro Glu Ala Val Lys Gly Gln Thr Leu Leu Ala Val Ala Lys		
335	340	345
Ser Gln		

<210> 7

<211> 194

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<213> Homo sapiens

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<223> Incyte ID No: 2011071CD1

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Met Gln Asp Ala Pro Leu Ser Cys Leu Ser Pro Thr Arg Trp Ser		
1	5	10
Ser Val Ser Ser Ala Asp Ser Thr Glu Lys Ser Ala Ser Gly Ala		
20	25	30
Gly Thr Arg Asn Leu Pro Phe Gln Phe Cys Leu Arg Gln Ala Leu		
35	40	45
Arg Met Lys Ala Ala Gly Ile Leu Thr Leu Ile Gly Cys Leu Val		
50	55	60
Thr Gly Ala Glu Ser Lys Ile Tyr Thr Arg Cys Lys Leu Ala Lys		
65	70	75
Ile Phe Ser Arg Ala Gly Leu Asp Asn Tyr Trp Gly Phe Ser Leu		
80	85	90
Gly Asn Trp Ile Cys Met Ala Tyr Tyr Glu Ser Gly Tyr Asn Thr		
95	100	105
Thr Ala Pro Thr Val Leu Asp Asp Gly Ser Ile Asp Tyr Gly Ile		
110	115	120
Phe Gln Ile Asn Thr Phe Ala Trp Cys Arg Arg Gly Lys Leu Lys		
125	130	135
Glu Asn Asn His Cys His Val Ala Cys Ser Ala Leu Ile Thr Asp		
140	145	150
Asp Leu Thr Asp Ala Ile Ile Cys Ala Arg Lys Ile Val Lys Glu		
155	160	165
Thr Gln Gly Met Asn Tyr Trp Gln Gly Trp Lys Lys His Cys Glu		

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	170		175		180
Gly Arg Asp Leu	Ser Glu Trp Lys Lys	Gly Cys Glu Val	Ser		
	185		190		

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Cys	Trp	Leu	Leu	Leu	Val	Leu	Val	Leu	Val	Leu	Leu	Val	Ser	Pro
				20					25					30
Arg	Gly	Cys	Arg	Ala	Arg	Arg	Gly	Leu	Arg	Gly	Leu	Leu	Met	Ala
				35					40					45
His	Ser	Gln	Arg	Leu	Leu	Phe	Arg	Ile	Gly	Tyr	Ser	Leu	Tyr	Thr
				50					55					60
Arg	Thr	Trp	Leu	Gly	Tyr	Leu	Phe	Tyr	Arg	Gln	Gln	Leu	Arg	Arg
				65					70					75
Ala	Arg	Asn	Arg	Tyr	Pro	Lys	Gly	His	Ser	Lys	Thr	Gln	Thr	Arg
				80					85					90
Leu	Phe	Asn	Gly	Val	Lys	Val	Leu	Pro	Ile	Pro	Val	Leu	Ser	Asp
				95					100					105
Asn	Tyr	Ser	Tyr	Leu	Ile	Ile	Asp	Thr	Gln	Ala	Gln	Leu	Ala	Val
				110					115					120
Ala	Val	Asp	Pro	Ser	Asp	Pro	Arg	Ala	Val	Gln	Ala	Ser	Ile	Glu
				125					130					135
Lys	Glu	Gly	Val	Thr	Leu	Val	Ala	Ile	Leu	Cys	Thr	His	Lys	His
				140					145					150
Trp	Asp	His	Ser	Gly	Gly	Asn	Arg	Asp	Leu	Ser	Arg	Arg	His	Arg
				155					160					165
Asp	Cys	Arg	Val	Tyr	Gly	Ser	Pro	Gln	Asp	Gly	Ile	Pro	Tyr	Leu
				170					175					180
Thr	His	Pro	Leu	Cys	His	Gln	Asp	Val	Val	Ser	Val	Gly	Arg	Leu
				185					190					195
Gln	Ile	Arg	Ala	Leu	Ala	Thr	Pro	Gly	His	Thr	Gln	Gly	His	Leu
				200					205					210
Val	Tyr	Leu	Leu	Asp	Gly	Glu	Pro	Tyr	Lys	Gly	Pro	Ser	Cys	Leu
				215					220					225
Phe	Ser	Gly	Asp	Leu	Leu	Phe	Leu	Ser	Gly	Cys	Gly	Arg	Thr	Phe
				230					235					240
Glu	Gly	Asn	Ala	Glu	Thr	Met	Leu	Ser	Ser	Leu	Asp	Thr	Val	Leu
				245					250					255
Gly	Leu	Gly	Asp	Asp	Thr	Leu	Leu	Trp	Pro	Gly	His	Glu	Tyr	Ala
				260					265					270
Glu	Glu	Asn	Leu	Gly	Phe	Ala	Gly	Val	Val	Glu	Pro	Glu	Asn	Leu
				275					280					285
Ala	Arg	Glu	Arg	Lys	Met	Gln	Trp	Val	Gln	Arg	Gln	Arg	Leu	Glu
				290					295					300

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Arg Lys Gly Thr Cys Pro Ser Thr Leu Gly Glu Glu Arg Ser Tyr
      305                      310                      315
Asn Pro Phe Leu Arg Thr His Cys Leu Ala Leu Gln Glu Ala Leu
      320                      325                      330
Gly Pro Gly Pro Gly Pro Thr Gly Asp Asp Asp Tyr Ser Arg Ala
      335                      340                      345
Gln Leu Leu Glu Glu Leu Arg Arg Leu Lys Asp Met His Lys Ser
      350                      355                      360
Lys

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<210> 9
<211> 306
<212> PRT
<213> Homo sapiens

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<220>
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<223> Incyte ID No: 2253585CD1

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Met Leu Arg Trp Thr Arg Ala Trp Arg Leu Pro Arg Glu Gly Leu
  1          5          10          15
Gly Pro His Gly Pro Ser Phe Ala Arg Val Pro Val Ala Pro Ser
      20          25          30
Ser Ser Ser Gly Gly Arg Gly Gly Ala Glu Pro Arg Pro Leu Pro
      35          40          45
Leu Ser Tyr Arg Leu Leu Asp Gly Glu Ala Ala Leu Pro Ala Val
      50          55          60
Val Phe Leu His Gly Leu Phe Gly Ser Lys Thr Asn Phe Asn Ser
      65          70          75
Ile Ala Lys Ile Leu Ala Gln Gln Thr Gly Arg Arg Val Leu Thr
      80          85          90
Val Asp Ala Arg Asn His Gly Asp Ser Pro His Ser Pro Asp Met
      95          100          105
Ser Tyr Glu Ile Met Ser Gln Asp Leu Gln Asp Leu Leu Pro Gln
      110          115          120
Leu Gly Leu Val Pro Cys Val Val Val Gly His Ser Met Gly Gly
      125          130          135
Lys Thr Ala Met Leu Leu Ala Leu Gln Arg Pro Glu Leu Val Glu
      140          145          150
Arg Leu Ile Ala Val Asp Ile Ser Pro Val Glu Ser Thr Gly Val
      155          160          165
Ser His Phe Ala Thr Tyr Val Ala Ala Met Arg Ala Ile Asn Ile
      170          175          180
Ala Asp Glu Leu Pro Arg Ser Arg Ala Arg Lys Leu Ala Asp Glu
      185          190          195
Gln Leu Ser Ser Val Ile Gln Asp Met Ala Val Arg Gln His Leu
      200          205          210
Leu Thr Asn Leu Val Glu Val Asp Gly Arg Phe Val Trp Arg Val
      215          220          225
Asn Leu Asp Ala Leu Thr Gln His Leu Asp Lys Ile Leu Ala Phe
      230          235          240
Pro Gln Arg Gln Glu Ser Tyr Leu Gly Pro Thr Leu Phe Leu Leu
      245          250          255

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[illegible]

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<210> 10
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<212> PRT
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Arg	Ser	Glu	Phe	Lys	Met	Ala	Ser	Ser	Pro	Ala	Val	Leu	Arg	Ala	
				20					25					30	
Ser	Arg	Leu	Tyr	Gln	Trp	Ser	Leu	Lys	Ser	Ser	Ala	Gln	Phe	Leu	
				35					40					45	
Gly	Ser	Pro	Gln	Leu	Arg	Gln	Val	Gly	Gln	Ile	Ile	Arg	Val	Pro	
				50					55					60	
Ala	Arg	Met	Ala	Ala	Thr	Leu	Ile	Leu	Glu	Pro	Ala	Gly	Arg	Cys	
				65					70					75	
Cys	Trp	Asp	Glu	Pro	Val	Arg	Ile	Ala	Val	Arg	Gly	Leu	Ala	Pro	
				80					85					90	
Glu	Gln	Pro	Val	Thr	Leu	Arg	Ala	Ser	Leu	Arg	Asp	Glu	Lys	Gly	
				95					100					105	
Ala	Leu	Phe	Gln	Ala	His	Ala	Arg	Tyr	Arg	Ala	Asp	Thr	Leu	Gly	
				110					115					120	
Glu	Leu	Asp	Leu	Glu	Arg	Ala	Pro	Ala	Leu	Gly	Gly	Ser	Phe	Ala	
				125					130					135	
Gly	Leu	Glu	Pro	Met	Gly	Leu	Leu	Trp	Ala	Leu	Glu	Pro	Glu	Lys	
				140					145					150	
Pro	Leu	Val	Arg	Leu	Val	Lys	Arg	Asp	Val	Arg	Thr	Pro	Leu	Ala	
				155					160					165	
Val	Glu	Leu	Glu	Val	Leu	Asp	Gly	His	Asp	Pro	Asp	Pro	Gly	Arg	
				170					175					180	
Leu	Leu	Cys	Gln	Thr	Arg	His	Glu	Arg	Tyr	Phe	Leu	Pro	Pro	Gly	
				185					190					195	
Val	Arg	Arg	Glu	Pro	Val	Arg	Val	Gly	Arg	Val	Arg	Gly	Thr	Leu	
				200					205					210	
Phe	Leu	Pro	Pro	Glu	Pro	Gly	Pro	Phe	Pro	Gly	Ile	Val	Asp	Met	
				215					220					225	
Phe	Gly	Thr	Gly	Gly	Gly	Leu	Leu	Glu	Tyr	Arg	Ala	Ser	Leu	Leu	
				230					235					240	
Ala	Gly	Lys	Gly	Phe	Ala	Val	Met	Ala	Leu	Ala	Tyr	Tyr	Asn	Tyr	
				245					250					255	
Glu	Asp	Leu	Pro	Lys	Thr	Met	Glu	Thr	Leu	His	Leu	Glu	Tyr	Phe	

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260	265	270
Glu Glu Ala Met Asn Tyr Leu Leu Ser	His Pro Glu Val Lys Gly	
275	280	285
Pro Gly Val Gly Leu Leu Gly Ile Ser	Lys Gly Gly Glu Leu Cys	
290	295	300
Leu Ser Met Ala Ser Phe Leu Lys Gly	Ile Thr Ala Ala Val Val	
305	310	315
Ile Asn Gly Ser Val Ala Asn Val Gly	Gly Thr Leu Arg Tyr Lys	
320	325	330
Gly Glu Thr Leu Pro Pro Val Gly Val	Asn Arg Asn Arg Ile Lys	
335	340	345
Val Thr Lys Asp Gly Tyr Ala Asp Ile	Val Asp Val Leu Asn Ser	
350	355	360
Pro Leu Glu Gly Pro Asp Gln Lys Ser	Phe Ile Pro Val Glu Arg	
365	370	375
Ala Glu Ser Thr Phe Leu Phe Leu Val	Gly Gln Asp Asp His Asn	
380	385	390
Trp Lys Ser Glu Phe Tyr Ala Asn Glu	Ala Cys Lys Arg Leu Gln	
395	400	405
Ala His Gly Arg Arg Lys Pro Gln Ile	Ile Cys Tyr Pro Glu Thr	
410	415	420
Gly His Tyr Ile Glu Pro Pro Tyr Phe	Pro Leu Cys Arg Ala Ser	
425	430	435
Leu His Ala Leu Val Gly Ser Pro Ile	Ile Trp Gly Gly Glu Pro	
440	445	450
Arg Ala His Ala Met Ala Gln Val Asp	Ala Trp Lys Gln Leu Gln	
455	460	465
Thr Phe Phe His Lys His Leu Gly Gly	His Glu Gly Thr Ile Pro	
470	475	480
Ser Lys Val		

<210> 11

<211> 144

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2481345CD1

<400> 11

Met Leu Leu Leu Trp Val Ser Val Val	Ala Ala Leu Ala Leu Ala
1	5 10 15
Val Leu Ala Pro Gly Ala Gly Glu Gln	Arg Arg Arg Ala Ala Lys
20	25 30
Ala Pro Asn Val Val Leu Val Val Ser	Asp Ser Phe Asp Gly Arg
35	40 45
Leu Thr Phe His Pro Gly Ser Gln Val	Val Lys Leu Pro Phe Ile
50	55 60
Asn Phe Met Lys Thr Arg Gly Thr Ser	Phe Leu Asn Ala Tyr Thr
65	70 75
Asn Ser Pro Ile Cys Cys Pro Ser Arg	Ala Ala Met Trp Ser Gly
80	85 90
Leu Phe Thr His Leu Thr Glu Ser Trp	Asn Asn Phe Lys Gly Leu

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	95		100		105									
Asp	Pro	Asn	Tyr	Thr	Thr	Trp	Met	Asp	Val	Met	Glu	Arg	His	Gly
	110								115					120
Tyr	Arg	Thr	Gln	Lys	Phe	Gly	Lys	Leu	Asp	Tyr	Thr	Ser	Gly	His
	125								130					135
His	Ser	Ile	Ser	Asn	Arg	Val	Glu	Ala						
	140													

<210> 12

<211> 180

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2484020CD1

<400> 12

Met	Met	Lys	Phe	Lys	Pro	Asn	Gln	Thr	Arg	Thr	Tyr	Asp	Arg	Glu
1				5					10					15
Gly	Phe	Lys	Lys	Arg	Ala	Ala	Cys	Leu	Cys	Phe	Arg	Ser	Glu	Gln
				20					25					30
Glu	Asp	Glu	Val	Leu	Leu	Val	Ser	Ser	Ser	Arg	Tyr	Pro	Asp	Gln
				35					40					45
Trp	Ile	Val	Pro	Gly	Gly	Gly	Met	Glu	Pro	Glu	Glu	Glu	Pro	Gly
				50					55					60
Gly	Ala	Ala	Val	Arg	Glu	Val	Tyr	Glu	Glu	Ala	Gly	Val	Lys	Gly
				65					70					75
Lys	Leu	Gly	Arg	Leu	Leu	Gly	Ile	Phe	Glu	Asn	Gln	Asp	Arg	Lys
				80					85					90
His	Arg	Thr	Tyr	Val	Tyr	Val	Leu	Thr	Val	Thr	Glu	Ile	Leu	Glu
				95					100					105
Asp	Trp	Glu	Asp	Ser	Val	Asn	Ile	Gly	Arg	Lys	Arg	Glu	Trp	Phe
				110					115					120
Lys	Val	Glu	Asp	Ala	Ile	Lys	Val	Leu	Gln	Cys	His	Lys	Pro	Val
				125					130					135
His	Ala	Glu	Tyr	Leu	Glu	Lys	Leu	Lys	Leu	Gly	Cys	Ser	Pro	Ala
				140					145					150
Asn	Gly	Asn	Ser	Thr	Val	Pro	Ser	Leu	Pro	Asp	Asn	Asn	Ala	Leu
				155					160					165
Phe	Val	Thr	Ala	Ala	Gln	Thr	Ser	Gly	Leu	Pro	Ser	Ser	Val	Arg
				170					175					180

<210> 13

<211> 375

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2862528CD1

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<400> 13

Met	Ala	Arg	Pro	Gly	Leu	Ile	His	Ser	Ala	Pro	Gly	Leu	Pro	Asp
1				5					10					15
Thr	Cys	Ala	Leu	Leu	Gln	Pro	Pro	Ala	Ala	Ser	Ala	Ala	Ala	Ala
				20					25					30
Pro	Ser	Met	Ser	Gly	Pro	Asp	Val	Glu	Thr	Pro	Ser	Ala	Ile	Gln
				35					40					45
Ile	Cys	Arg	Ile	Met	Arg	Pro	Asp	Asp	Ala	Asn	Val	Ala	Gly	Asn
				50					55					60
Val	His	Gly	Gly	Thr	Ile	Leu	Lys	Met	Ile	Glu	Glu	Ala	Gly	Ala
				65					70					75
Ile	Ile	Ser	Thr	Arg	His	Cys	Asn	Ser	Gln	Asn	Gly	Glu	Arg	Cys
				80					85					90
Val	Ala	Ala	Leu	Ala	Arg	Val	Glu	Arg	Thr	Asp	Phe	Leu	Ser	Pro
				95					100					105
Met	Cys	Ile	Gly	Glu	Val	Ala	His	Val	Ser	Ala	Glu	Ile	Thr	Tyr
				110					115					120
Thr	Ser	Lys	His	Ser	Val	Glu	Val	Gln	Val	Asn	Val	Met	Ser	Glu
				125					130					135
Asn	Ile	Leu	Thr	Gly	Ala	Lys	Lys	Leu	Thr	Asn	Lys	Ala	Thr	Leu
				140					145					150
Trp	Tyr	Val	Pro	Leu	Ser	Leu	Lys	Asn	Val	Asp	Lys	Val	Leu	Glu
				155					160					165
Val	Pro	Pro	Val	Val	Tyr	Ser	Arg	Gln	Glu	Gln	Glu	Glu	Glu	Gly
				170					175					180
Arg	Lys	Arg	Tyr	Glu	Ala	Gln	Lys	Leu	Glu	Arg	Met	Glu	Thr	Lys
				185					190					195
Trp	Arg	Asn	Gly	Asp	Ile	Val	Gln	Pro	Val	Leu	Asn	Pro	Gly	Val
				200					205					210
Thr	Met	Lys	Leu	Met	Asp	Glu	Val	Ala	Gly	Ile	Val	Ala	Ala	Arg
				215					220					225
His	Cys	Lys	Thr	Asn	Ile	Val	Thr	Ala	Ser	Val	Asp	Ala	Ile	Asn
				230					235					240
Phe	His	Asp	Lys	Ile	Arg	Lys	Gly	Cys	Val	Ile	Thr	Ile	Ser	Gly
				245					250					255
Arg	Met	Thr	Phe	Thr	Ser	Asn	Lys	Ser	Met	Glu	Ile	Glu	Val	Leu
				260					265					270
Val	Asp	Ala	Asp	Pro	Val	Val	Asp	Ser	Ser	Gln	Lys	Arg	Tyr	Arg
				275					280					285
Ala	Ala	Ser	Ala	Phe	Phe	Thr	Tyr	Val	Ser	Leu	Ser	Gln	Glu	Gly
				290					295					300
Arg	Ser	Leu	Pro	Val	Pro	Gln	Leu	Val	Pro	Glu	Thr	Glu	Asp	Glu
				305					310					315
Lys	Lys	Arg	Phe	Glu	Glu	Gly	Lys	Gly	Arg	Tyr	Leu	Gln	Met	Lys
				320					325					330
Ala	Asn	Asp	Arg	Ala	Thr	Arg	Ser	Leu	Ser	Pro	Arg	Leu	Pro	Pro
				335					340					345
Pro	Ala	Thr	Gly	Ala	Ser	Ser	Ser	His	Gly	Asn	Gly	Pro	Ser	Val
				350					355					360
Gln	Ser	Leu	Arg	Ser	Ser	Pro	Leu	Gly	Gln	Lys	Pro	Asn	Ser	His
				365					370					375

<210> 14

<211> 637

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<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3200650CD1

<400> 14

Met	Thr	Thr	Trp	Ser	Leu	Arg	Arg	Arg	Pro	Ala	Arg	Thr	Leu	Gly
1				5					10					15
Leu	Leu	Leu	Leu	Val	Val	Leu	Gly	Phe	Leu	Val	Leu	Arg	Arg	Leu
				20					25					30
Asp	Trp	Ser	Thr	Leu	Val	Pro	Leu	Arg	Leu	Arg	His	Arg	Gln	Leu
				35					40					45
Gly	Leu	Gln	Ala	Lys	Gly	Trp	Asn	Phe	Met	Leu	Glu	Asp	Ser	Thr
				50					55					60
Phe	Trp	Ile	Phe	Gly	Gly	Ser	Ile	His	Tyr	Phe	Arg	Val	Pro	Arg
				65					70					75
Glu	Tyr	Trp	Arg	Asp	Arg	Leu	Leu	Lys	Met	Lys	Ala	Cys	Gly	Leu
				80					85					90
Asn	Thr	Leu	Thr	Thr	Tyr	Val	Pro	Trp	Asn	Leu	His	Glu	Pro	Glu
				95					100					105
Arg	Gly	Lys	Phe	Asp	Phe	Leu	Trp	Glu	Thr	Trp	Thr	Leu	Lys	Ala
				110					115					120
Phe	Val	Leu	Met	Ala	Ala	Glu	Ile	Gly	Leu	Trp	Val	Ile	Leu	Arg
				125					130					135
Pro	Gly	Pro	Tyr	Ile	Cys	Ser	Glu	Met	Asp	Leu	Gly	Gly	Leu	Pro
				140					145					150
Ser	Trp	Leu	Leu	Gln	Asp	Pro	Gly	Met	Arg	Leu	Arg	Thr	Thr	Tyr
				155					160					165
Lys	Gly	Phe	Thr	Glu	Ala	Val	Asp	Leu	Tyr	Phe	Asp	His	Leu	Met
				170					175					180
Ser	Arg	Val	Val	Pro	Leu	Gln	Tyr	Lys	Arg	Gly	Gly	Pro	Ile	Ile
				185					190					195
Ala	Val	Gln	Val	Glu	Asn	Glu	Tyr	Gly	Ser	Tyr	Asn	Lys	Asp	Pro
				200					205					210
Ala	Tyr	Met	Pro	Tyr	Val	Lys	Lys	Ala	Leu	Glu	Asp	Arg	Gly	Ile
				215					220					225
Val	Glu	Leu	Leu	Leu	Thr	Ser	Asp	Asn	Lys	Asp	Gly	Leu	Ser	Lys
				230					235					240
Gly	Ile	Val	Gln	Gly	Val	Leu	Ala	Thr	Ile	Asn	Leu	Gln	Ser	Thr
				245					250					255
His	Glu	Leu	Gln	Leu	Leu	Thr	Thr	Phe	Leu	Phe	Asn	Val	Gln	Gly
				260					265					270
Thr	Gln	Pro	Lys	Met	Val	Met	Glu	Tyr	Trp	Thr	Gly	Trp	Phe	Asp
				275					280					285
Ser	Trp	Gly	Gly	Pro	His	Asn	Ile	Leu	Asp	Ser	Ser	Glu	Val	Leu
				290					295					300
Lys	Thr	Val	Ser	Ala	Ile	Val	Asp	Ala	Gly	Ser	Ser	Ile	Asn	Leu
				305					310					315
Tyr	Met	Phe	His	Gly	Gly	Thr	Asn	Phe	Gly	Phe	Met	Asn	Gly	Ala
				320					325					330
Met	His	Phe	His	Asp	Tyr	Lys	Ser	Asp	Val	Thr	Ser	Tyr	Asp	Tyr
				335					340					345
Asp	Ala	Val	Leu	Thr	Glu	Ala	Gly	Asp	Tyr	Thr	Ala	Lys	Tyr	Met

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	350		355		360
Lys Leu Arg Asp	Phe Phe Gly Ser Ile	Ser Gly Ile Pro Leu Pro			
	365		370		375
Pro Pro Pro Asp	Leu Leu Pro Lys Met	Pro Tyr Glu Pro Leu Thr			
	380		385		390
Pro Val Leu Tyr	Leu Ser Leu Trp Asp	Ala Leu Lys Tyr Leu Gly			
	395		400		405
Glu Pro Ile Lys	Ser Glu Lys Pro Ile	Asn Met Glu Asn Leu Pro			
	410		415		420
Val Asn Gly Gly	Asn Gly Gln Ser Phe	Gly Tyr Ile Leu Tyr Glu			
	425		430		435
Thr Ser Ile Thr	Ser Ser Gly Ile Leu	Ser Gly His Val His Asp			
	440		445		450
Arg Gly Gln Val	Phe Val Asn Thr Val	Ser Ile Gly Phe Leu Asp			
	455		460		465
Tyr Lys Thr Thr	Lys Ile Ala Val Pro	Leu Ile Gln Gly Tyr Thr			
	470		475		480
Val Leu Arg Ile	Leu Val Glu Asn Arg	Gly Arg Val Asn Tyr Gly			
	485		490		495
Glu Asn Ile Asp	Asp Gln Arg Lys Gly	Leu Ile Gly Asn Leu Tyr			
	500		505		510
Leu Asn Asp Ser	Pro Leu Lys Asn Phe	Arg Ile Tyr Ser Leu Asp			
	515		520		525
Met Lys Lys Ser	Phe Phe Gln Arg Phe	Gly Leu Asp Lys Trp Ser			
	530		535		540
Ser Leu Pro Glu	Thr Pro Thr Leu Pro	Ala Phe Phe Leu Gly Ser			
	545		550		555
Leu Ser Ile Ser	Ser Thr Pro Cys Asp	Thr Phe Leu Lys Leu Glu			
	560		565		570
Gly Trp Glu Lys	Gly Val Val Phe Ile	Asn Gly Gln Asn Leu Gly			
	575		580		585
Arg Tyr Trp Asn	Ile Gly Pro Gln Lys	Thr Leu Tyr Leu Pro Gly			
	590		595		600
Pro Trp Leu Ser	Ser Gly Ile Asn Gln	Val Ile Val Phe Glu Glu			
	605		610		615
Thr Met Ala Gly	Pro Ala Leu Gln Phe	Thr Glu Thr Pro His Leu			
	620		625		630
Gly Arg Asn Gln	Tyr Ile Lys				
	635				

<210> 15

<211> 314

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4107621CD1

<400> 15

Met Ser Glu Asn Ala Ala Pro Gly Leu Ile Ser Glu Leu Lys Leu		
1	5	10
Ala Val Pro Trp Gly His Ile Ala Ala Lys Ala Trp Gly Ser Leu		
20	25	30

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Gln	Gly	Pro	Pro	Val	Leu	Cys	Leu	His	Gly	Trp	Leu	Asp	Asn	Ala	35	40	45
Ser	Ser	Phe	Asp	Arg	Leu	Ile	Pro	Leu	Leu	Pro	Gln	Asp	Phe	Tyr	50	55	60
Tyr	Val	Ala	Met	Asp	Phe	Gly	Gly	His	Gly	Leu	Ser	Ser	His	Tyr	65	70	75
Ser	Pro	Gly	Val	Pro	Tyr	Tyr	Leu	Gln	Thr	Phe	Val	Ser	Glu	Ile	80	85	90
Arg	Arg	Val	Val	Ala	Ala	Leu	Lys	Trp	Asn	Arg	Phe	Ser	Ile	Leu	95	100	105
Gly	His	Ser	Phe	Gly	Gly	Val	Val	Gly	Gly	Met	Phe	Phe	Cys	Thr	110	115	120
Phe	Pro	Glu	Met	Val	Asp	Lys	Leu	Ile	Leu	Leu	Asp	Thr	Pro	Leu	125	130	135
Phe	Leu	Leu	Glu	Ser	Asp	Glu	Met	Glu	Asn	Leu	Leu	Thr	Tyr	Lys	140	145	150
Arg	Arg	Ala	Ile	Glu	His	Val	Leu	Gln	Val	Glu	Ala	Ser	Gln	Glu	155	160	165
Pro	Ser	His	Val	Phe	Ser	Leu	Lys	Gln	Leu	Leu	Gln	Arg	Leu	Leu	170	175	180
Lys	Ser	Asn	Ser	His	Leu	Ser	Glu	Glu	Cys	Gly	Glu	Leu	Leu	Leu	185	190	195
Gln	Arg	Gly	Thr	Thr	Lys	Val	Ala	Thr	Gly	Leu	Val	Leu	Asn	Arg	200	205	210
Asp	Gln	Arg	Leu	Ala	Trp	Ala	Glu	Asn	Ser	Ile	Asp	Phe	Ile	Ser	215	220	225
Arg	Glu	Leu	Cys	Ala	His	Ser	Ile	Arg	Lys	Leu	Gln	Ala	His	Val	230	235	240
Leu	Leu	Ile	Lys	Ala	Val	His	Gly	Tyr	Phe	Asp	Ser	Arg	Gln	Asn	245	250	255
Tyr	Ser	Glu	Lys	Glu	Ser	Leu	Ser	Phe	Met	Ile	Asp	Thr	Met	Lys	260	265	270
Ser	Thr	Leu	Lys	Glu	Gln	Phe	Gln	Phe	Val	Glu	Val	Pro	Gly	Asn	275	280	285
His	Cys	Val	His	Met	Ser	Glu	Pro	Gln	His	Val	Ala	Ser	Ile	Ile	290	295	300
Ser	Ser	Phe	Leu	Gln	Cys	Thr	His	Met	Leu	Pro	Ala	Gln	Leu		305	310	

<210> 16

<211> 448

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4661133CD1

<400> 16

Met	Arg	Arg	Ala	Ala	Leu	Arg	Leu	Cys	Ala	Leu	Gly	Lys	Gly	Gln	1	5	10	15
Leu	Thr	Pro	Gly	Arg	Gly	Leu	Thr	Gln	Gly	Pro	Gln	Asn	Pro	Lys	20	25	30	
Lys	Gln	Gly	Ile	Phe	His	Ile	His	Glu	Ala	Cys	Ser	Ser	Ile	His				

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35	40	45
Val Asn His Val Arg Asp Lys Leu Arg Glu Ile Val Gly Ala Ser		
50	55	60
Thr Asn Trp Arg Asp His Val Lys Ala Met Glu Glu Arg Lys Leu		
65	70	75
Leu His Ser Phe Leu Ala Lys Ser Gln Asp Gly Leu Pro Pro Arg		
80	85	90
Arg Met Lys Asp Ser Tyr Ile Glu Val Leu Leu Pro Leu Gly Ser		
95	100	105
Glu Pro Glu Leu Arg Glu Lys Tyr Leu Thr Val Gln Asn Thr Val		
110	115	120
Arg Phe Gly Arg Ile Leu Glu Asp Leu Asp Ser Leu Gly Val Leu		
125	130	135
Ile Cys Tyr Met His Asn Lys Ile His Ser Ala Lys Met Ser Pro		
140	145	150
Leu Ser Ile Val Thr Ala Leu Val Asp Lys Ile Asp Met Cys Lys		
155	160	165
Lys Ser Leu Ser Pro Glu Gln Asp Ile Lys Phe Ser Gly His Val		
170	175	180
Ser Trp Val Gly Lys Thr Ser Met Glu Val Lys Met Gln Met Phe		
185	190	195
Gln Leu His Gly Asp Glu Phe Cys Pro Val Leu Asp Ala Thr Phe		
200	205	210
Val Met Val Ala Arg Asp Ser Glu Asn Lys Gly Pro Ala Phe Val		
215	220	225
Asn Pro Leu Ile Pro Glu Ser Pro Glu Glu Glu Glu Leu Phe Arg		
230	235	240
Gln Gly Glu Leu Asn Lys Gly Arg Arg Ile Ala Phe Ser Ser Thr		
245	250	255
Ser Leu Leu Lys Met Ala Pro Ser Ala Glu Glu Arg Thr Thr Ile		
260	265	270
His Glu Met Phe Leu Ser Thr Leu Asp Pro Lys Thr Ile Ser Phe		
275	280	285
Arg Ser Arg Val Leu Pro Ser Asn Ala Val Trp Met Glu Asn Ser		
290	295	300
Lys Leu Lys Ser Leu Glu Ile Cys His Pro Gln Glu Arg Asn Ile		
305	310	315
Phe Asn Arg Ile Phe Gly Gly Phe Leu Met Arg Lys Ala Tyr Glu		
320	325	330
Leu Ala Trp Ala Thr Ala Cys Ser Phe Gly Gly Ser Arg Pro Phe		
335	340	345
Val Val Ala Val Asp Asp Ile Met Phe Gln Lys Pro Val Glu Val		
350	355	360
Gly Ser Leu Leu Phe Leu Ser Ser Gln Val Cys Phe Thr Gln Asn		
365	370	375
Asn Tyr Ile Gln Val Arg Val His Ser Glu Val Ala Ser Leu Gln		
380	385	390
Glu Lys Gln His Thr Thr Thr Asn Val Phe His Phe Thr Phe Met		
395	400	405
Ser Glu Lys Glu Val Pro Leu Val Phe Pro Lys Thr Tyr Gly Glu		
410	415	420
Ser Met Leu Tyr Leu Asp Gly Gln Arg His Phe Asn Ser Met Ser		
425	430	435
Gly Pro Ala Thr Leu Arg Lys Asp Tyr Leu Val Glu Pro		
440	445	

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<210> 17
 <211> 723
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2293764CB1

<400> 17
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 tgcgtgcaca aagagtagga gagcccagag ttccagaatg cccctaattc cgaacaccac 120
 aggggtgagtc tggagcaagt cacctgggag ggcttacagg tgccataatg aaggcctggg 180
 gcaactgtggg agtgaccttg gccacgctga tgggtgtcac tgtggatgcc aagatctatg 240
 aactctgcga gctggcgcca agactggaga gagcagggct gaacggctac aagggtctacg 300
 gcgttgaggaga ctggctgtgc atggctcatt atgagagtgg ctttgacacc gccttcgtgg 360
 accacaatcc tgatggcagc agtgaatatg gcattttcca actgaattct gcctgggtgg 420
 gtgacaatgg cattacaccc accaagaacc tctgccacat ggattgtcat gacctgctca 480
 atcgccatat tctggatgac atcaggtgtg ccaagcagat tgtgtcctca cagaatgggc 540
 tttctgcctg gacttcttgg aggtacact gttctggcca tgatttatct gaatggctca 600
 aggggtgtga tatgcatgtg aaaattgatc caaaaattca tccatgactc agattcgaag 660
 agacagattt tatcttcctt tcatttcttc atattgtcac ttaataaag gatgggtactc 720
 gtc 723

<210> 18
 <211> 1228
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 949738CB1

<400> 18
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 aggacccccg ctaaaagcca gagctcccag tccccgaggc ttgaagacgg ggactccctt 120
 ctccaccaac tctgtcctcg ggggggtggg gccccagccg agatcacagc gcgacaggag 180
 tgggggtggc cgctggagac aggtgaagaa acaagaaaac taagaaatcc gagcggttgg 240
 agggggagtc tgtgtggatg ggatggggac gccgggggag gggctgggcc gctgctccca 300
 tgccctgatc cggggagtcc cagagagcct ggctcgggg gaaggtgcgg gggctggcct 360
 tcccgtctcg gatctggcca aagctcaaag ggagcacggg gtgctgggag gtaaaactgag 420
 gcaacgactg gggctacagc tgctagaact gccacctgag gattcattgc cgctgggacc 480
 gctgcttggc gacacggccg tgatccaagg ggacacggcc ctaatcacgc ggccctggag 540
 ccccgctcgt aggccagagg tcgatggagt ccgcaaagcc ctgcaagacc tggggctccg 600
 aattgtggaa ataggagacg agaacgcgac gctggatggc actgacgttc tcttcaccgg 660
 ccgggagttt ttcgtaggcc tctccaaatg gaccaatcac cgaggagctg agatcgtggc 720
 ggacacgttc cgggacttcg ccgtctccac tgtgccagtc tcgggtccct cccacctgcg 780
 cggctctctg gcgcatggggg gacctcgcac tgttggtggc ggcagcagcg acgctgcccc 840
 aaaggctgtc cgggcaatgg cagtgtgac agatcaccca tatgcctccc tgacctccc 900
 agatgacgca gctgctgact gtctcttctt tcgtcctggg ttgcctgggtg tgcccccttt 960
 cctcctgcac cgtggagggtg gggatctgcc caacagccag gaggcactgc agaagctctc 1020
 tgatgtcacc ctggtacctg tgtcctgctc agaactggag aaggccggcg ccgggctcag 1080
 ctccctctgc ttggtgctca gcacacgccc ccacagctga gggcctggcc ttgggggtact 1140

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gctggccagg ggtaggatag tataggaagt agaaggggaa ggaggggttag atagagaatg 1200
 ctgaataggc agtagttggg agagaggg 1228

<210> 19
 <211> 2155
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1297034CB1

<400> 19
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 ccgtgccggt gcgggcgcgc gcatgtggct gtgggaggac cagggcggcc tcctgggccc 120
 tttctccttc ctgctgctag tgctgctgct ggtgacgcgg agcccggtca atgcctgcct 180
 cctcaccggc agcctcttcg ttctactgcg cgtcttcagc tttgagccgg tgccctcttg 240
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WO 00/28045

PCT/US99/27009

<211> 1375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2484020CB1

<400> 28

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<210> 29

<211> 1390

<212> DNA

<213> Homo sapiens

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<400> 29

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<210> 30

<211> 3038

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3200650CB1

<400> 30

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<210> 31

<211> 1340

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4107621CB1

<400> 31

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PCT/US99/27009

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1340

<210> 32

<211> 1717

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4661133CB1

<400> 32

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1717

<210> 33

<211> 148

<212> PRT

<213> Colobus guereza

<300>

<308> GenBank ID No: g1790927

<400> 33

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WO 00/28045

PCT/US99/27009

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Trp	Val	Cys	Leu	Ala	Lys	Trp	Glu	Ser	Gly	Tyr	Asn	Thr	Asp	Ala
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Thr	Asn	Tyr	Asn	Pro	Gly	Asp	Glu	Ser	Thr	Asp	Tyr	Gly	Ile	Phe
	65		70		75									
Gln	Ile	Asn	Ser	Arg	Tyr	Trp	Cys	Asn	Asn	Gly	Lys	Thr	Pro	Gly
	80		85		90									
Ala	Val	Asn	Ala	Cys	His	Ile	Ser	Cys	Asn	Ala	Leu	Leu	Gln	Asn
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Asn	Ile	Ala	Asp	Ala	Val	Ala	Cys	Ala	Lys	Arg	Val	Val	Ser	Asp
	110		115		120									
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<210> 34

<211> 148

<212> PRT

<213> Colobus angolensis

<300>

<308> GenBank ID No: g1790967

<400> 34

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<210> 35

<211> 148

<212> PRT

<213> Nasalis larvatus

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<300> misc_feature
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<308> GenBank ID No: g1790984

<400> 35

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